

The Campus Chronicle

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for the Amherst campus of the University of Massachusetts

News Briefs

Support groups for staff affected by war

The Faculty and Staff Assistance Program is providing opportunities for faculty and staff to gather and share their personal reactions to the war in Iraq.

The meetings, to be held from noon to 1 p.m. on Tuesday, April 1 and Friday, April 4 in 805-09 Lincoln Campus Center, are intended to provide a supportive environment to discuss personal shock, grief, concern, and fears about the war.

FSAP staff also are available to meet individually with faculty and staff whose lives have been impacted by the war. Call 5-0350 to make an appointment.

Japanese officials cancel visit

Citing the uncertain world situation surrounding the outbreak of the war in Iraq, a campus visit by four government officials from Hokkaido, Japan has been postponed, according to Laurel Foster-Moore of International Programs.

In a communication to IPO last week, Naoko Yano, project coordinator of the Hokkaido government, noted that Japan is one of the countries supporting the American and British position on the disarmament of Iraq. "[I]t's very difficult to anticipate what kinds of reaction" will result after hostilities erupt, she said.

The group was slated to arrive on campus Tuesday for tours and meetings with International Programs staff and the chancellor.

Congressman Frank to speak March 31

U.S. Rep. Barney Frank (D-Mass.) will discuss current issues on Monday, March 31 at 4:30 p.m. in Memorial Hall.

The talk, hosted by U.S. Rep. Richard Neal and the Journalism Department, is free and open to the public.

Frank has represented the state's 4th Congressional District since 1981. He is the senior Democrat on the Financial Services Committee and also serves on the Select Committee on Homeland Security. An opponent of the war in Iraq, Frank's interests include immigration, Israel and the Middle East, gay and lesbian issues, the military and defense, and the environment.



Stan Sherer photo

Improved circulation

Senior Sarah Martineau strains to push a cart of heavy art books for reshelving in the Du Bois Library. A large number of returned books accumulated during spring break.

Charges fly in debate over higher ed reform

Daniel J. Fitzgibbons
CHRONICLE STAFF

Gov. Mitt Romney's bid to restructure the state's higher education system drew more criticism this week as four high-tech business leaders publicly backed President William M. Bulger, whose office would be eliminated under the reorganization.

In a letter to Romney and Bulger, the executives came out against the governor's plans for the University system. The letter was signed by Ray Stata, chairman of Analog Devices; George W. Chamillard, chief executive of Teradyne, Inc.; Henri A. Termer, president of Genzyme Corp.; and Michael J. Costello, managing partner of PriceWaterhouse Coopers.

"As entrepreneurs and technologists, we appreciate the governor's bold efforts to transform state government, particularly the state's public higher education system," says the letter.

"However, we do not believe that replacing the UMass president's office with a new governance structure and dismantling the current five-campus system is good for the future of public higher education, science research, or our technology economy."

Meanwhile, four area community and state college presidents whose institutions are targeted for mergers this week blasted the Romney plan as a "cookie cutter" approach to education.

Speaking at a press conference on Monday at Holyoke Community College, Westfield State College President Frederick Woodward, Greenfield Community College President Robert Pura, Springfield Technical Community College President Andrew Scibelli and HCC President David Bartley acknowledged the need for their campuses to make cuts, but said such decisions should be in their hands, not the governor's.

"We are not cookie cutter campuses to be ruled from 100 miles away," Bartley said.

That argument apparently had some sway with Romney, who said Tuesday that the community college presidents do not have to follow the recommendations of the Board of Higher Education in making cuts.

The announcement came after Romney met with the 15 community college presidents.

State college presidents are scheduled to meet with the governor next Monday. A meeting is also planned between Romney and the chancellors of the five-campus UMass system.

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Chemistry on national PhD ranking

Elizabeth Luciano
NEWS OFFICE STAFF

The Chemistry Department has been named one of the nation's top 25 programs in numbers of Ph.D. degrees awarded, according to professor Bret Jackson, head of the department.

The program was included on the list published by Chemical and Engineering News, the professional publication of the American Chemical Society, and the leading trade journal for chemists. The article, "Anatomy of a Chemistry Class," was published in February and lists UMass as one of the top 25 programs in the country, based on

SEE DOCTORAL, PAGE 3

Alcoholic beverages return to Blue Wall

Sarah R. Buchholz
CHRONICLE STAFF

Students won't be the only beneficiaries of an upcoming Lincoln Campus Center change. Any member of the 21-and-over set with a valid ID soon will have access to a locally brewed beer on tap, a number of bottled beers, several wines and a full liquor selection six nights a week.

After roughly two decades of being "dry," the Blue Wall will return to serving alcohol at 5 p.m. Friday, April 4, according to Ashoke Ganguli, director of Auxiliary Services. The move is part

of a programmatic effort to increase use of the Campus Center by students, in particular, Ganguli said. He emphasized that serving alcohol is falling under a broader rubric of "entertainment."

The Blue Wall is scheduled to provide programming that includes live blues, rock, reggae, and funk bands, DJs, interactive giveaways, and sports on two 50-inch plasma screen televisions.

"We're really hoping to make this another outlet for student performance," said Nathaniel Greenspan, sales and marketing manager in Auxiliary Services.

"We're just starting to promote

that now."

Greenspan said Auxiliary Services will use the remainder of the semester to pilot programmatic plans, as well as the alcohol selection, to learn more about what students will enjoy, then make adjustments over the summer.

"We'll see what works and what doesn't and tailor the program to fit that," he said. "We've worked real hard in trying to make this what the students want and to balance that with the needs of the University in terms of keeping it a safe, comfortable environment."

SEE BLUE WALL, PAGE 3

Campus considered as site for casino

Daniel J. Fitzgibbons
CHRONICLE STAFF

In the latest move to link higher education and economic development, state officials are quietly floating a plan to build a casino and 1,200-room hotel on the Amherst campus that would compete head-to-head with two well-known gambling resorts in Connecticut.

The proposal, which was circulated this week to legislative leaders, calls for the campus to receive a small percentage of the profits from the gaming complex, allowing the state to gradually reduce its support for UMass Amherst. The state would also share some of the profits, while

the lion's share would go to the operators of the casino. Talks are reportedly underway with several federally recognized Native American groups in the state about running the gaming venue.

The plan is outlined in a study by a private consulting group, Vain & Associates, which was commissioned to study the potential for gaming in the Bay State. The proposal appears to incorporate elements of the Romney administration's reorganization plan for higher education, which calls for campuses in various regions to focus on areas tied to nearby business and industry.

The report also suggests that the state launch a new public rela-

tions campaign with the slogan "Bet on UMass." The ad blitz would emphasize how gamblers could not only enjoy the luxurious amenities and gaming opportunities at the campus-based resort, but also support the state's flagship institution.

While administration officials are not discussing the plan publicly, one official did confirm "that all options are on the table" as the state explores new opportunities for increasing private funding for the University and encouraging economic development in various regions.

"While a university campus may seem to be an odd place to

SEE GAMBLE, PAGE 3

Training hones fruit tree skills

Two workshops sponsored by UMass Extension on growing tree fruits will be held at the orchards of the Cold Spring Research and Education Center in Belchertown on Tuesday, April 1. Plant and Soil Sciences professor Wesley Autio will be the instructor for both sessions.

From 9 a.m. to noon, "Growing Tree Fruits in the Landscape," will focus on the cultural practices of growing tree fruits in the landscape. All aspects of the horticulture of tree fruits (with an emphasis on apples) will be presented including siting, planting, soil management, selection of varieties and rootstocks, fertility and pest management.

"Pruning Fruit Trees" will be covered from 1-3 p.m. Participant will go to the orchard for demonstrations showing the techniques of pruning and training of fruit trees, focusing on the practices that enhance fruit production and quality. A review of pruning equipment and some hands-on opportunities to practice techniques will be offered.

To register, send a check payable to UMass to Fruit Workshops, UMass Extension, French Hall, 230 Stockbridge Rd. Each session costs \$30; specify choice of session.

For more information, call 5-0895. The registration form is online (www.umassgreeninfo.org).

Workshops address the business of art

Marketing, contracts, commissions, and financing are a few of the topics for "Making Art, Making a Living," an upcoming series of workshops for artists who want to learn more about the business of being an artist.

"Our primary audience is university students who are interested in careers in the arts, but the workshops are open to the public," said Shirley Sneve, director of the Arts Extension Service, which is sponsoring the series.

Workshops are scheduled for 4:30 - 6:30 p.m. Wednesdays in April (except Passover, April 16) in the Lincoln Campus Center.

On April 4, the focus will be "Visual Artists and Writers." Daniel Grant, author of "How to Start and Succeed as an Artist," will look at marketing, galleries, literary agents, contracts and publishers and other issues facing artists and writers.

Jazz guitarist Michael Gregory and theater artist and educator Tracy Vernon lead a workshop on the business of "Performing Arts" April 9. Creative financing, the Internet, working in communities and schools, and organization techniques are covered.

On Tuesday, April 15, multimedia artist Liz Miller, visual artist Beverly Naidus and arts consultant Dyan Wiley discuss "Arts and Activism."

"Art and the Law" is the April 23 workshop, held in conjunction with Massachusetts Volunteer Lawyers for the Arts. Attorneys James Duda and Joshua Grey from Bulkley, Richardson and Gelinis, LLP, will discuss copyright and contracts.

A workshop on "Arts-Related Careers," led by Daniel Grant, wraps up the series April 30.

Admission for Five College students is free. A suggested donation of \$10 per session will support the Bill and Sally Venman Community Arts Fund.

Part of the Division of Continuing Education, the Arts Extension Service develops the arts in communities and community through the arts. For more information or to pre-register, e-mail Arts Extension (aes@contined.umass.edu) or call 5-2360.



Stan Sherer photo

Racking up support

Junior Eric Goldstein and sophomore Angel Bermudez spent the night on the Campus Pond lawn March 12 as part of a Sigma Phi Epsilon effort that raised \$1,000 for the American Cancer Society.

Commuter alternatives catching on, says report

Incentives to persuade solo commuters to consider travel alternatives to campus seem to be catching on, according to a recently released report that states that single-occupancy vehicle (SOV) trips declined by 13 percent in 2002.

In its 2002 Rideshare Program Update Report to the Massachusetts Department of Environmental Protection (DEP), the campus detailed its progress towards the goal of reducing SOV trips by 25 percent. The report was compiled by Robert Hendry, Transportation Alternatives Program coordinator,

Group offers leadership training for Asian students

One of 12 regional leadership training courses organized by the Organization of Chinese Americans (OCA), a national civil rights advocacy and educational group, will be held on campus April 5-6.

The session for Asian Pacific Americans, "APIA University: Leadership 101," is aimed at developing student leadership skills.

"We want to help the students assimilate tools to address cultural and societal influences, develop effective leadership and initiate positive change and activism on campus and in the community," said OCA director of programs Van-Nghi Tran.

All Asian Pacific American students who are interested in leadership development, civil responsibility, involvement with APA student organizations and networking with other APA student activists are welcome. The training is free, but a \$15 deposit is required to hold secure registration. Breakfast, lunch and a night reception are provided. Students are responsible for their own transportation and accommodations.

Funding for the training conferences comes from State Farm Insurance Companies.

Register online (www.ocanatl.org/programs/clt.html).

and filed by Sandra Anderson, director of Campus Services.

According to the report, the campus has roughly 18,000 commuting employees and students, of which 60 percent drive alone in automobiles. Another 18 percent take the bus, 9 percent car-pool, 4 percent walk, 3 percent bicycle and the remaining 6 percent combine modes of travel.

To alleviate air pollution, DEP has told the campus and other large employers in Massachusetts to cut the number of SOV commuter trips by one-quarter.

The Transportation Alternatives Program has been in place on campus for just over three years, offering incentives to students and employees by encouraging carpooling and vanpooling in order to reduce SOV commuting, said Hendry. Incentives include discounted carpool parking

permits, preferential parking spaces, guaranteed rides home in emergency situations, and a limited number of no-charge, one-day passes to accommodate the occasional need to drive alone.

Other components of the TAP program include educational and promotional campaigns to encourage commuting by bicycle, transit or on foot. In 2001, the Transportation Alternatives Program received a Commuter Choice Leadership Award from the U.S. Environmental Protection Agency for promoting non-SOV commuting.

Hendry said the Transportation Alternatives Program will continue to encourage non-SOV commuting through an expanding variety of programs and events. Funding for the program, operating under Parking Services and Transit Services, is provided through a grant from Massachusetts Highway Department and U.S. Department of Transportation, Federal Highway Administration.

Contact the program coordinator (5-6585 or rideshare@admin.umass.edu) for more information.



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Alcohol sales return to Campus Center

BLUE WALL
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Greenspan said all bartenders will have attended a safe-alcohol-service program and that a team of non-student security personnel will be on hand during bar hours.

"We'll adjust the security level to the needs," he said. "All security will go through the University Police security training class. We'll conduct random spot checks, trying to be as unobtrusive as possible. On nights when we anticipate a large crowd, we'll have University Police on hand, as well. We also have an electronic ID verification system and iridescent wrist bands."

Greenspan said alcohol sales and consumption will be within a roped-off area and the Blue Wall will use different glasses for alcoholic beverages so security can easily identify who has them.

Opening night will feature two acts, the Ed Vadas Blues Band at 7 p.m. and the funk of Adios Pantaloons at 10 p.m., as well as prizes and promotions, Greenspan said.

The following Monday the entertainment will center on the NCAA men's basketball final, with promotional activities by the Boston Beer Co., makers of Samuel Adams and Sam Adams Light, two

beers the Blue Wall will carry in bottles.

Other bottled beers the bar will open with include, Rolling Rock, Corona, Heineken, Guinness, Bass, Miller

Lite, Michelob Ultra, Budweiser, Bud Light, and a locally brewed seasonal selection from the Berkshire Brewing Co., as well as Mike's Hard Lemonade and the non-alcoholic O'Doul's. On tap will be Bud Light and a pale ale from Berkshire Brewing Co.

The Blue Wall also will serve standard pub fare — old favorites, such as nachos, wings, pizza and cheese fries.

"A lot of students are pretty excited about [the bar in the Blue Wall]," Brian Long, secretary of University policy for the Student Government Association, told the Faculty Senate at its March 13 meeting. "The Campus Center is extremely underused, and we'd like that to be used more. It needs to become a center — the campus



Special Collections & Archives, Du Bois Library
A Blue Wall bouncer checks IDs in this photo taken by Dennis Conlon in the 1970s.

center. And that's what bringing a bar will hopefully help accomplish — along with money. This campus needs some money."

The programming schedule for this semester will include interactive promotions on Thursday nights, live music on Fridays, and a DJ on Saturdays. Thursday through Saturday the bar will be open 5 p.m.-1 a.m. Monday through Wednesday bar hours are scheduled for 5-10 p.m. Although the bar will be closed on Sunday this term, "additional Sunday and Monday hours will be added during the fall in anticipation of football season," Greenspan said.

Musicians who wish to perform at the Blue Wall should e-mail entertainment@mail.aux.umass.edu, he said.

Tew chosen as ONR Young Investigator

Elizabeth Luciano
NEWS OFFICE STAFF

Gregory Tew, assistant professor of Polymer Science and Engineering, has been selected as an Office of Naval Research (ONR) Young Investigator. The grant is for three years and totals \$380,000. Tew is one of 26 investigators selected from a group of 220 applicants nationwide.

The program is designed to support young scientists and engineers who show exceptional promise for outstanding research and teaching careers, according to Rear Admiral Jay M. Cohen, chief of naval research for the Department of the Navy. "We believe that ONR Young Investigators, including Dr. Tew, are among the best and brightest young academic researchers this country has to offer," Cohen said.

Tew was part of a team that recently found a new way to design and construct large molecules that are antibacterial, and someday could be embedded in items ranging from countertops to "smart" fabrics for surgical gowns. That study was published in the journal, *Proceedings of the National Academy of Sciences*.

This particular project will focus on applying his previous de-

signs for antimicrobial polymers to study non-toxic coatings for the Navy. In addition to discovering new polymers with broad antibacterial and microbial properties, he will investigate their effectiveness at surfaces and in blends.

Tew did his undergraduate work at North Carolina State University, and earned his Ph.D. in chemistry at the University of Illinois, Urbana-Champaign. His research interests lie in macromolecular self-organization, abiotic molecules with secondary and tertiary structure, biomaterials, proteinomimetics, organic-inorganic hybrid systems, and well-defined macromolecular architectures.



Gregory Tew

Higher ed war of words continues

REORGANIZATION
FROM PAGE 1

In other developments:

■ Vice President for Management and Fiscal Affairs and treasurer Stephen Lenhardt told a legislative committee on Monday that the Romney administration did not contact his office before deciding to stop a previously approved \$371 million bond issue earlier this month. The administration said the bond package included projects not included in the University's five-year capital plan.

Appearing before the House Long-Term Debt and Capital Expenditure Committee, Lenhardt said if the bond package isn't ap-

proved, "we're croaked."

Committee chair Marie Parente (D-Milford), who offered support for the University, expressed the view that 80 percent of the Romney administration's action was "politically motivated."

■ In an attempt to build support for its higher education reform plan, the Romney administration last week released data showing that students fees at public campuses were raised 433 percent between 1989 and 2003 — a trend they termed "fee abuse."

The Romney plan would strip all schools of the power to raise fees and place that authority under the Board of Higher Education, appointed by the governor.

Campuses would be barred from raising fees until they first meet \$68 million in "savings targets" set by the governor.

College leaders called the fee analysis misleading, saying that deep cuts in state support prompted institutions to increase fees to insure a reliable source of revenue.

■ Board of Higher Education Chairman Stephen P. Tocco said March 20 that Bulger could still have a role in a reorganized University system. However, administration officials quickly noted that they are completely committed to the Romney overhaul, including the elimination of the President's Office.

Gao named Sloan Fellow

Lixin Gao, associate professor of Electrical and Computer Engineering, has been awarded a two-year, \$40,000 research fellowship by the Alfred P. Sloan Foundation.

She is among 117 young scientists and economists from 50 colleges and universities in the U.S. and Canada selected as Sloan Fellows this year. More than 500 researchers were nominated for the awards.

The fellowships, which this year total \$4.68 million, support research activities. Recipients are free to pursue whatever lines of inquiry are of most interest to them.

Gao joined the faculty in 2000 after teaching computer science at Smith College for four years. Her research involves multimedia net-

working and Internet routing and security. She earned her bachelor's degree in computer science from the University of Science and Technology of China, her master's degree in computer engineering from Florida Atlantic University, and her doctoral degree in Computer Science here in 1997.

In the area of multimedia streaming over the Internet, Gao studies how to allocate resources to the server and client so that data is streamed quickly and efficiently. In the area of Internet routing, Gao explores how to get data, such as an e-mail, from one site to another using dynamic routing protocols.

Gao earned a CAREER award from the National Science Foundation in 1999. She has received several grants from NSF, and



Lixin Gao worked with AT&T on sabbatical last year to study Internet routing.

Established in 1955, the Sloan Research Fellowship Program has awarded more than \$99 million to outstanding researchers early in their careers. Twenty-eight Sloan Fellows have gone on to win Nobel Prizes.

Chemistry among top 25 in US in awarding PhDs

DOCTORAL
FROM PAGE 1

federal data on the number of degrees granted by graduate programs.

"Our department continues to show a high profile that supports the University's recognition as a high quality research institution. It is not every day that a department makes a top-25 listing from a major professional publication," said professor Peter C. Uden, the department's graduate program director.

The campus granted 15 doctorates in Chemistry last year, and anticipates granting 16 to 18 degrees this coming May. More than 1,000 U.S. institutions grant Ph.D.s in chemistry.

"Given the number of Ph.D.-granting institutions in the country, it is quite prestigious for us to be given such notice by the American Chemical Society," Uden said.

Uden notes that the doctoral program in Chemistry has received numerous accolades in recent years, including several major awards won by graduate students, in areas ranging from materials research to organic chemistry to top doctoral dissertation. Another article from *Chemical and Engineering News* featured the department's achievement, highlighted associate professor Scott Auerbach and a number of Chemistry alumni in a lead article, "New Voices in Chemistry," in 2001.

Chemical and Engineering News notes that between July 1, 1999, and June 30, 2000, a total of 1,052 institutions of higher learning in the U.S. and Puerto Rico graduated 14,289 new chemists: 10,390 with bachelor's degrees, 1,909 with master's degrees, and 1,990 with Ph.D.s. The article based its findings on data from the National Science Foundation.

Casino eyed for campus

GAMBLE
FROM PAGE 1

build a casino, there is potential for the growing gaming industry to serve the greater good through this plan," said I.M. Pittman, assistant deputy coordinator of the state Division of Gaming. "A world-class family resort in Amherst would help grow a world-class university, provide jobs for students and Western Mass. residents and provide an infusion of new money for both the Common-

wealth and UMass."

While the proposed casino is still unnamed, the Vain & Associates report suggests capitalizing on a former campus symbol, the Native American icon Metawampe, whose statue stands behind the Student Union.

The complete plan for the casino will be unveiled at a press conference in Boston on April 1, which, as we should always remember, is April Fool's Day.

OIT provides computer workshop for first-graders

Sam Seaver
CHRONICLE STAFF

As part of the Office of Information Technology's community outreach program, a group of 15 first-graders from Alice B. Beal Elementary School in Springfield attended a technology workshop on March 25 in Lederle Graduate Research Center.



Sarah Buchholz photos



The workshop was arranged by Rosio Alvarez, associate chancellor of Information Technologies, and Marcel Walters, whose first-grade class attended the workshop. Beal Elementary doesn't have the resources to purchase many computers. Walters said the number of students sharing one computer limits each child's exposure to 20 minutes per week. Seventy-five percent of the students at Beal are classified as low-income, according to



Clockwise from right: Marcel Walters, a first-grade teacher at Alice B. Beal Elementary School in Springfield, smiles as student Christine Hoang solves a problem; Marlon Thom plays a computer game with the help of OIT electronics technician Ben Gagnon after completing a self-portrait in Adobe Photoshop; Edgar Cortes, shows his self-portrait to a classmate.

Alvarez.

The youngsters attended four multi-media workshops, allowing them to use technology to create a class yearbook as the final product. Presented with the opportunity to play with sophisticated technology, many of the children were filled with questions for staff members and were so absorbed in each activity that most were reluctant to switch stations, until they were reminded of their upcoming pizza party.

Students first took pictures of each other on digital cameras and uploaded them onto the computer for later use. Next they experimented with video conference technology which allowed the kids to see themselves on screen and interact electronically with a staff member across the hall.

The students then worked in a lab, learning to use Adobe Photoshop to place their uploaded digital pictures on a background of their choosing and had the opportunity to manipulate the on-screen graphics and work with programs on www.pbskids.org.

As the final part of the project, students used Microsoft Excel to compile data of class interests such as favorite colors, foods and animals in order to see how this technology can be useful and exciting.

"We're really thrilled to be here, and the kids have been really excited about this field trip," Walters said. "The staff has been fantastic and has really worked to make this a child-centered day, and we're really grateful for this opportunity."

OIT staff served pizza, drinks, and dessert. During lunch, folk singer Dennis Calaher led a sing-along, while other staff members printed copies of the pictures each student created along with the class data. At the end of the workshop, the students each compiled and bound their own yearbook to take home.

This was the second community outreach event hosted by OIT. Last summer, the department hosted students from Springfield Technical Community College and UMass Boston for a program entitled "Diversity Through Technology."

Middle, high school teachers sought for summer research program on polymers

The Materials Research Science and Engineering Center (MRSEC) is soliciting applications by April 1 from middle and high school teachers for its summer Research Experiences for Teachers (RET) program on polymers.

Seven teachers will be selected to participate in team research at the Silvio O. Conte National Center for Polymer Research. Examples of topics under consideration are nanomembranes, crystallization in confined geometries, sensors, polymer deformation, and nanostructures.

Participants will develop teaching modules based on their research in order to transfer their experiences to their classroom curricula. Since research on polymers includes chemistry, physics, engineering and mathematics, the modules can be readily fit into state-mandated frameworks.

Teachers can participate from 5 to 8 weeks. Benefits include a stipend of \$1,000 per week, six graduate credits and 135 professional development points. For those relocating to Amherst for the duration, an additional

\$1,000 housing allotment is also provided. No previous research experience is required and further information can be obtained online (www.pse.umass.edu/mrsec/ret.html).

Applicants should send a one-page resume along with a paragraph describing how a research experience could benefit their teaching to: Greg Dabkowski, UMass-PSE-Conte, 120 Governors Drive, Amherst, MA, 01003; or by e-mail (gdabkowski@resgs.umass.edu). For further information, call 5-0045.

Revised Adopt-A-Planter program stresses community, not competition

Sarah R. Buchholz
CHRONICLE STAFF

Fast becoming an institutional harbinger of summer, the Adopt-A-Planter program, entering its fourth year, is undergoing some changes.

"Martha Martin, [clerk V in the Vice Chancellor for Research Office.] Margaret Arsenaault, [training coordinator in Human Resources.] and Debra Britt, [clerk V in the Graduate Registrar's Office.] came up with a couple of suggestions to better the program," said Pam Monn, manager of Landscape and Construction Services.

After a review of their ideas, the Campus Beautification Committee decided to eliminate the competition for best three planters and with it the gift certificates for winners. In their stead, a lunch-time gathering for all volunteers is being planned for mid-summer, Monn said.

"The committee is working on a way to recognize all participants," she said. Monn said volunteers will be thanked at the gathering with a small gift, perhaps a lapel pin.

"They also talked about a mechanism to let people know who else is participating," she said.

The majority of planters on campus have been re-adopted by past participants, Monn said, but approximately 35 remain for newcomers. Planters will be ready for planting on Monday, April 21. Anyone interested in adopting a planter should contact Monn by then (7-3106).

Participants receive certificates for \$40 of plant material at the Annie's Garden and Gift Center on Route 116 in

North Amherst and can be picked up from Barbara Pitoniak (5-0444) at 200 Munson Hall beginning April 21. Coupons also will be given for one bag of compost and one bag of cedar bark mulch per planter box also available at Annie's.

Planters must be planted by Monday, May 19.

"Participants may plant annuals, perennials, small shrubbery, grasses...you're limited only by your imagination," Monn said. Participants are then responsible for both planting and maintaining the planters. This includes watering, she said.

The CBC is organizing a container-gardening workshop to coordinate with Arbor Day, Friday, April 25 at a time and place to be announced. Participants can attend the session for ideas and still have three weeks to fill their planters.

A Web site (www.umass.edu/planters) will be maintained, beginning in May, Monn said, and will have updates on the program, information about each planter, and special features.



Chronicle file photo

Research executive area offers grant workshops

The Research executive area is offering two workshops to support faculty and staff seeking external funding information or needing help creating a budget for a grant.

The first workshop, "Receiving Grant Information Via E-mail," will take place Wednesday, April 2 from 10-11 a.m. in 613 Goodell. E-mailed funding alert services, such as those from the Community of Scholars (COS) database, can provide an effective means of learning about upcoming funding opportunities. This workshop is intended both for people who would like to fine-tune the results of their current funding alerts and for scholars who have yet to subscribe to these valuable information resources. In addition, the workshop will cover pointers on how to perform individual searches of various on-line funding databases. Faculty and staff may also sign up for one-on-one instruction at any time in these areas by contacting Lisa Lipshires (llipshires@ora.umass.edu).

The second session, "Budget Building," will be presented Wednesday, April 9 from 10 a.m. to noon in 419 Goodell. Participants in this workshop will learn how to build a budget in support of their projects. The workshop will simplify a variety of budget elements including travel, equipment, materials/supplies, publication costs, personnel and associated fringe benefits, indirect costs, subcontracting, cost sharing and more. Participants will leave with tools to tackle all but the most complex budget scenarios.

Register for either or both of these workshops by contacting Lisa Lipshires by e-mail (llipshires@ora.umass.edu) or phone (5-5282).

Child Care director elected to national board

Maryanne Gallagher, director of University Child Care, has been elected to the Board of the National Coalition of Campus Children's Centers (NCCCC) for a three-year term to begin this month.

NCCCC is a non-profit educational organization designed to support research and activities affecting college and university early childhood education and service settings, work and family issues, and the field of early childhood education in general.

Through its annual conference, publications and online listserv, NCCCC provides members with information to assist them in dealing with funding sources and budgets; student involvement and teacher preparation; balancing the institutional mission of research, education and service; the image of campus child care in the community as "ideal," and starting and designing a campus early childhood program.



Maryanne Gallagher

The 450 members of NCCCC include college and university professionals who work with or in campus early childhood education programs. The membership includes campus child care center directors and teachers, whether service oriented, laboratory schools, or combined; administrators of campus child care pro-

grams or those considering starting a program; work-family and resource and referral professionals; and early childhood education faculty who supervise student teachers.

Gallagher will make two presentations at this week's annual conference in Washington, D.C. The session "How Do We Decide?: Exploring Decision-Making Styles and Techniques" will provide participants with an opportunity to identify their preferred style of decision-making and offer hands on practice with planning a decision-making process. Her other presentation, "Helping Children Cope With Trauma and Disaster," is based on her work with the disaster child care organization run by the Emergency Response/Service Ministries of the Church of the Brethren. This group works under the auspices of the American Red Cross to provide child care services for families at assistance centers during disaster relief.

Noted Yale mathematician to speak April 10

Ronald R. Coifman, Phillips Professor of Mathematics at Yale University, will give this year's Connecticut Valley Colloquium on Thursday, April 10 at 4 p.m. in 1634 Lederle Graduate Research Center. His lecture is entitled "Challenges to Analysis: High Dimensional Geometry and Approximation."

He was awarded the National Medal of Science in 1999, and is a member of the National Academy of Sciences as well as the American Academy of Arts and Sciences. In 1999 he also received the Pioneer prize (a prestigious European award in computational mathematics and applications in science), presented by Prince Philip in Edinburgh.

Coifman, who earned his Ph.D. in 1965 at the University of Geneva, has made fundamental contributions to the field of har-

monic analysis, adapting this old branch of mathematics to the capabilities of the digital computer in order to produce a family of fast, robust computational tools that have substantially benefited science and technology. This work includes algorithms to handle the problems of wave propagation, data storage, denoising, and medical imaging. As he moved into applied mathematics, his work in the development of wavelet analysis had a revolutionary impact.

In collaboration with Yves Meyer, Coifman constructed a huge library of waveforms of various duration, oscillation, and other behavior.

Through a clever algorithm developed with Victor Wickerhauser, it became possible to do very rapid computerized searches through an enormous range of

signal representations in order to find quickly the most economical transcription of measured data. For example, this development allowed the FBI and Scotland Yard to compress a fingerprint database of 200 terabytes into less than 20 terabytes, saving millions of dollars in transmission time and storage costs.

Coifman also used wavelet analysis to develop tools for processing noisy data. He recognized that one can essentially remove noise completely, allowing for short time exposure magnetic resonance images that would enable real-time "movies" inside the human body.

Like other talks in the Connecticut Valley Colloquium series sponsored by Five College departments, this one will be aimed at a fairly general audience.

Archaeologist discusses excavations in Tuscany

Anthony Tuck, visiting lecturer in classical archaeology at Tufts University and co-director of excavations at Poggio Civitate near Murlo, Italy, will give a public lecture about the research during a visit to campus next week.

Tuck will discuss "Poggio Civitate (Murlo): The Archaeology of Tuscany's Earliest Hill Town" on Thursday, April 3 at 4 p.m. in 301 Herter Hall.

The lecture will examine the history of excavations at the site. Since excavations began, Poggio Civitate has provided scholars with the earliest known examples of monumental architecture and sculpture in the Etruscan world. Recent discoveries at the site, including a building that appears to

be one of the earliest examples of monumental religious architecture yet discovered in Italy, have helped excavators develop new theories regarding the origins and iconography of the developing urban centers of central Italy in the 7th and 6th centuries BCE.

Shetty's research on herbs and meat safety featured in article

Research by associate professor of Food Science Kalidas Shetty is featured in the Feb. 24 issue of Food Chemical News.

Shetty's work demonstrates that a variety of herb, called "Umass Oregano," that he developed, is consistently active against microbes such as *Listeria monocytogenes* (L.m.) on ready-to-eat poultry and meat. Although commercially available oregano shows similar prowess against L.m., Shetty's findings suggest it

may be less consistent than the "Umass" variety.

"The results of this study are very promising for the ready-to-eat meat and poultry industry and other sectors of the food industry that are seeking to control L.m. through the use of natural ingredients," said James H. Hodges, president of the American Meat Institute Foundation.

Shetty joined the Food Science faculty in 1993.

Obituaries

Edward H. Bonnett

Edward H. Bonnett, 80, of Bernardston, a retired maintainer I in Housing Services, died March 12 at Poet's Seat Nursing Home in Greenfield.

He served the University for more than 11 and a half years before retiring in 1988.

Prior to his tenure on campus, he owned dairy farms in Montgomery Center, Vt., and worked for Cersosimo Lumber in Vernon, Vt., before being employed by Tenney Farm in Northfield and Charles Deane Construction Co. in Bernardston.

As a young man, he played semi-pro softball in St. Albans, Vt.

He enjoyed bowling and gardening.

His wife, Mary Bonnett, died in 1998.

He leaves two sons, Larry and David of Northfield; two daughters, Cecile Massey of Greenfield and Madeline Phillips of Bernardston; and other family.

Memorial gifts may be made to Poet's Seat Nursing Home Activity Fund, 359 High St., Greenfield 01301.

Anna M. Blasko

Anna M. Blasko, 86, of Amherst, a retired assistant baker in the Dining Commons, died March 12 at the Center for Extended Care in Amherst.

She served the University for nearly 12 years before retiring in 1979. She earlier had worked at Pro Brush in Florence.

A lifelong member of St. Brigid's Church, she also was a member of the Daughters of Isabella.

She was a skilled baker of raisin bread and pitch player.

Her husband, Alexander "Red" Blasko, former chief of the University Police, predeceased her.

She leaves five daughters, Dorothy Pascoe of Leverett, Patricia Williams of Montague, Nancy Stahlman of Lewisberry, Pa., Elaine Warren of Deerfield, and Deborah LaClaire of Wendell; two sisters, Helen Korpita of Stratford, Ill., and Elizabeth Adamitis of North Amherst; and

other family.

Memorial contributions may be made to St. Brigid's Cemetery Fund, P.O. Box 424, Amherst 01102 or to Alzheimer's Association of Western Massachusetts, 1600 East Columbus Ave., Springfield 01103.

Marie C. Hammel

Marie C. Hammel, 83, of Amherst, a retired dish room helper in the Dining Commons, died March 18 at home.

She served the University for more than 11 and a half years before retiring in 1982. Previously, she worked in maid services at Amherst College.

A lover of dolls, she had an extensive collection of them.

She leaves a son, Robert Hammel of Ludlow; a daughter, Susan Derynck of Amherst; and other family.

Virginia Mae Tidlund

Virginia Mae Tidlund, 75, of Hadley, a retired dietary worker I in the Campus Center's Hatch, died March 22 in Cooley Dickinson Hospital.

She served the University for 25 and a half years before retiring in 1992.

She was a graduate of Amherst Regional High School and a member of the North Hadley Congregational Church.

She was an accomplished needle worker, specializing in crocheting and knitting, as well as an avid reader.

She leaves her mother, Dorothy Stockwell of Springfield; two daughters, April, clerk IV in the Communication Department, of Hadley and Brenda Libertine, clerk V in Human Resources, of Deerfield; a brother, Jerry Stockwell, maintenance working foreman in Physical Plant's Construction Services, of Montague; two sisters, Leona Searle and Judith Schaefer, both of Amherst; and other family.

Memorial contributions may be made to the American Diabetes Association, P.O. Box 968, Framingham 01701.

Schweik speaks at UN office

Charles M. Schweik, assistant professor in the Department of Natural Resources Conservation and the Center for Public Policy and Administration, was invited to give a talk at an International Symposium on Open Access and the Public Domain in Digital Data and Information for Science, jointly organized by the U.S. National Academies, the International Council for Science (ICSU) and the United Nations Educational, Scientific and Cultural Organization (UNESCO).

Schweik's talk, entitled "The Open Source Paradigm and the Production of Scientific Information: A Future Vision and Implications for Developing Countries" summarized his recent research on

the production of "open source" software through Internet-based collaboration and "open source" licensing. It also discussed the recent emergence of "open content" licensing efforts for sharing and production of new information content and its potential for creating new forms of Internet-based scientific collaboration.

Schweik also was invited to participate in a follow-up workshop also sponsored by UNESCO and ICSU, entitled "Science in the Information Society," the goal of which was to develop key messages from the international scientific community to participants of the U.N. World Summit on the Information Society scheduled for next December in Geneva.

Senate approves Libraries merger

The Faculty Senate voted at its March 13 meeting to approve a merger of the Biological Sciences Library with the Physical Science and Engineering Library by the fall.

The recommendation called for University funding for the move and the refurbishment of the site in Lederle Lowrise, the current site of the Physical Sciences and Engineering Library.



Sports wrap-up

Baseball (3-8; 1-2 A-10)

L vs. Connecticut	17-3
W vs. Duquesne	8-2
L vs. Duquesne	7-1
L vs. Duquesne	6-4
W vs. Eastern Kentucky	7-4
L vs. Yale	6-1
W vs. Columbia	4-0
L vs. Northern Iowa	14-5

Hockey (19-17-1)

L vs. New Hampshire	5-4
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Men's lacrosse (7-0)

W vs. Hofstra	14-7
W vs. Hartford	14-3
W vs. Albany	15-5
W vs. Brown	18-6

Women's lacrosse (4-3)

L vs. Syracuse	8-5
W vs. Albany	20-1
L vs. Dartmouth	13-6
W vs. New Hampshire	9-8

Softball (13-10)

Boston University game postponed		
W vs. Villanova	3-0	
W vs. Seton Hall	3-0	
W vs. Seton Hall	5-2	
W vs. Villanova	4-0	
L vs. Syracuse	4-2	
L vs. Florida International	3-2	
L vs. California	6-4	
W vs. Florida Atlantic	2-1	
W vs. Texas A&M	4-2	

Women's tennis (3-9 spring, 4-10 overall)

L vs. Lynn	8-1
L vs. Barry	6-3
L vs. Florida Atlantic	6-1

Upcoming schedule

Home games in bold

Friday, March 28

M. track	Raleigh Relays Raleigh, N.C.	TBA
Softball	La Salle	2 p.m.
Softball	La Salle	4 p.m.

Saturday, March 29

W. crew	BU	TBA
M. track	Raleigh Relays Raleigh, N.C.	TBA
M. lacrosse	Penn State	noon
Baseball	La Salle	noon
Baseball	La Salle	2:30 p.m.
W. lacrosse	La Salle	3:30 p.m.

Sunday, March 30

W. crew	Patriots Cup Kingston, R.I.	TBA
Softball	Fordham	noon
Softball	Fordham	2:30 p.m.
Baseball	La Salle	noon

Monday, March 31

W. lacrosse	Hofstra	3:30 p.m.
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Tuesday, April 1

Baseball	Sacred Heart	3 p.m.
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Wednesday, April 2

Softball	Maine	2:30 p.m.
Tennis	Rhode Island	3 p.m.
Softball	Maine	4:30 p.m.

Thursday, April 3

W. crew	San Diego Classic San Diego, Calif.	TBA
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Friday, April 4

W. crew	San Diego Classic San Diego, Calif.	TBA
W. lacrosse	Temple	3 p.m.
Softball	St. Joseph's	3 p.m.
Softball	St. Joseph's	5 p.m.



Stan Sherer photo

Junior Kevin Glenz (right) outpaces a University of Hartford defender during a 14-3 victory at Garber Field on March 21. Glenz had three assists and six different Minutemen scored two goals as UMass crushed the Hawks. On Sunday, the Minutemen defeated 15th-ranked Hofstra to raise their record to 7-0.

Wildcats end dream season for UMass; Cahoon named top coach

Despite coming back from a pair of two-goal deficits to tie the game, the Minutemen lost 5-4 to the University of New Hampshire in the semifinals of the Hockey East tournament on March 14.

The underdog UMass team stormed back twice in the game at Boston's Fleet-Center. Down 2-0 in the second period, Stephen Werner scored to cut the lead and then Greg Mauldin added another to knot the score. The Wildcats again surged ahead by two goals before Werner tallied his second goal of the night. Ten seconds later, Mike Warner scored to tie the game at 4-4. With less than three minutes left, UNH scored what proved to be the winning goal.

With the loss, UMass closed out the season at 19-17-1. UNH went on to win the tourney by defeating Boston University.

Werner and junior defenseman Thomas Pöck were named to the All-Tournament team, the first Minutemen ever to be named to the all-star squad.

Meanwhile, Don Cahoon was named the conference's coach of the year. In his third year with the Minutemen, Cahoon led the team to its best showing ever in Hockey East. The Minutemen were picked eighth in the conference preseason poll, but finished sixth in the regular-season standings. During the season, the Minutemen set or tied 18 different team or individual school records and earned its first-ever national ranking the week of Jan. 6. After stumbling during the midseason, UMass proved it was ready for its first postseason appearance in three years by winning five of its last six games, including a stunning two-game sweep of Maine at Alford Arena in last weekend's quarterfinals. Cahoon did it



Don Cahoon

all with only four healthy upper-classmen.

Pöck, Mauldin and Werner also were honored by Hockey East.

Pöck earned All-Hockey East second team honors after ranking second on the team in scoring with 36 points (17

goals, 19 assists). His 36 points are a defenseman school record as are the goals and assists. He recorded the first hat trick in school history for a defenseman in a 5-4 win over Providence on Jan. 5, earning him USCHO.com National Defensive Player of the Week. His 17 goals were second in the country among blue-liners.

Sophomore forward Greg Mauldin was an honorable mention selection after leading UMass with 40 points (20 g, 20 a). Mauldin became the first UMass player since 1996-97 to score 40 points in a season and sits seventh among all Hockey East players in scoring, and first among sophomores.

Freshman forward Stephen Werner was a unanimous selection to the all-rookie team after scoring 35 points (14 g, 21 a). Those totals led all Hockey East freshmen in scoring and were sixth nationally. Werner, UMass' first-ever player from the prestigious U.S. National Development Program, was named USCHO.com National Player of the Week after a three-game, eight-point stretch in late November.

Lacrosse team off to 7-0 start

UMass jumped out to a 7-2 halftime lead, then held off a Hofstra charge to grab a 14-7 victory over No. 15-ranked Hofstra last Sunday. The win moves UMass' record to 7-0 heading into this weekend's ECAC contest against Penn State.

The 6th-ranked Minutemen held possession for much of the game's first five minutes and took a 1-0 lead when Neil Lundberg found the back of the net. UMass went up 2-0 when Jeff Zywicki scored from in close off a long feed from freshman Steven Byrnes. Coach Greg Cannella's squad made it 3-0 when freshman Sean Morris split two Hofstra defenders and fired a low shot into the cage. Hofstra scored a late goal to cut the UMass lead to 3-1 after the initial 15 minutes.

The Minutemen squelched any early Hofstra rally with two goals early in the second period. Zywicki and Gene Tundo scored goals with assists credited to Morris and Kevin Glenz respectively. After Hofstra trimmed the margin to 5-2, the Minutemen scored two goals in the final 13 seconds of the second quarter to take a 7-2 lead into the halftime break. Chris Fiore scored first with a 30-foot blast into the top right corner, then Zywicki secured his hat trick with just two seconds left in the half, as he scooped up a ground ball and sent a low shot past the Hofstra keeper for a 7-2 cushion.

UMass continued the offensive pressure early in the second half, as Chris Doyle (Putnam Valley, N.Y.) scored just 49 seconds into the second half for an 8-2 UMass lead. Tundo gave the Minutemen a 9-2 lead just a minute later with an assist from Zywicki. Hofstra, however, scored four of the next five goals, two coming in a 45-second span to cut the UMass lead to 10-6 with four minutes to play in the third quarter. Zywicki stopped the UMass bleeding with his fourth goal of the game at the 2:25 mark for an 11-6 lead.

After Hofstra cut the lead to 11-7 with an extra-man goal early in the fourth quarter, Fiore and Kevin Leveille scored 13 seconds apart to push the UMass advantage back to six at 13-7 with 11 minutes to play. Zywicki tallied his fifth goal of the day off a Fiore rebound to give the Minutemen a 14-7 cushion. The Minutemen then ran out the clock in the fourth quarter.

UMass is in action next on March 29 when it returns home for an ECAC game against Penn State. Face-off is at noon at Garber Field.

Sortino nearing 800th career win as softball coach

The softball team opens its conference season Friday at LaSalle with a chance to bring coach Elaine Sortino her 800th win. A sweep of the doubleheader would give Sortino another place in the record books.

Sortino already has the 16th highest number of victories as an NCAA softball coach, and a victory in both games would make her the 16th coach to achieve 800 wins.

The team's record is 13-10 so far this season. Last weekend, the Minutewomen took two games each from Seton Hall and Villanova, host of the Atlantic 10/Big East Challenge. UMass had strong pitching from senior Kaila Holtz, who threw back-to-back shutouts and evened her season record at 6-6. Senior Brandi Cross hit three home runs during the four-game series.

Blood drive

The Hampshire County Chapter of the American Red Cross will conduct a blood drive on Monday, March 31, 10:30 a.m.-4:30 p.m. in 174 Lincoln Campus Center.

Training and Development workshop scheduled

Training and Development is offering a workshop, "Nutrition for the 'REAL' Person," led by Judi LaBranche, on Thursday, April 3, from noon-1:30 p.m.

Register by calling 5-5428 or online (www.umass.edu/td).

Men's lacrosse, track coaches to speak at Sports Luncheon

Men's track and field coach Ken O'Brien, women's track and field coach Julie LaFreniere and men's lacrosse coach Greg Cannella are scheduled to speak at the Weekly Sports Luncheon on Wednesday, April 2 at noon in 1009 Lincoln Campus Center.

The buffet lunch costs \$6.50. Call 5-4289 for reservations.

New course proposal

The following new course proposal has been submitted to the Faculty Senate office for review and approval, and is listed here for faculty review and comment.

RES EC 112, "Computing: Foundations to Frontiers," 3 credits.

Hands-on environment to develop proficiency with information technology. Needs assessment; relational database theory and applications; Web development, online forms processing; programming fundamentals; text and data processing; troubleshooting; presentation tools; collaborative projects.

Big Friday

Paychecks for the period of March 9-22 will be issued Friday, March 28.

Pregnant women needed for study

The Exercise Science Department is seeking pregnant women in all trimesters to participate in a research study validating a physical activity questionnaire. Participation involves two meetings lasting about 30 minutes. Subjects will be paid \$50.

For information, contact Dawn or Rebecca in the Exercise Physiology Laboratory at 5-1583 or by e-mail (droberts@excsci.umass.edu).

'Challenging Classroom Environments' seminar

A seminar on "Challenging Classroom Environments: Disruption, Conflict, Intimidation" will be presented Wednesday, April 2 from noon-2 p.m. in 101 Lincoln Campus Center.

The session is cosponsored by the Provost's Office, Faculty and Staff Assistance Program and the Center For Teaching. All interested faculty are invited to attend.

Register for the seminar by calling the Center For Teaching at 5-1225 or via e-mail (cfteach@acad.umass.edu). Lunch will be provided.

Craft Center open to campus employees

Free membership in the Student Union Craft Center is available to all campus employees with a current UMass ID.

Business hours are Monday through Thursday, 11 a.m.-5 p.m., Friday, 11 a.m.-6 p.m. and Saturday, 1-6 p.m.

Weekly evening workshops are conducted Tuesday through Thursday, 6-9 p.m.

Craft areas include black-and-white photography, silver jewelry, beading, sewing, stained glass, leather, silkscreen and lino printing, batik, mask making and marbling.

For information, call 5-2096.

Healthy women needed for Nutrition study

Healthy postmenopausal women between the ages of 50-74 are needed for a Nutrition Department study designed to investigate the effects of dietary flaxseed consumption on hormone levels in blood and urine. This information is important to determine if flaxseed is likely to be a useful dietary strategy for lowering a woman's risk of developing breast cancer.

Participants must have undergone a natural menopause and not have taken any hormones including estrogen replacement therapy, for the past six months. Subjects also must be nonsmokers with no prior medical history of cancer, diabetes or bowel disease.

Qualified individuals need to plan on participating in the study for four months. Financial compensation will be provided.

Contact Sara Sabelawski by e-mail (sara@nutrition.umass.edu) or phone at 7-4298.

'Managing Corporate Card Travel Reimbursements' workshop

Travel Services has announced that an additional session of "Managing Corporate Card Travel Reimbursements" will be offered on Tuesday, April 8 from 10 a.m.-noon in 163 Lincoln Campus Center.

This workshop is designed for University certified travel preparers and business managers who are responsible for coordinating travel reimbursements for their departments and who wish to enhance their knowledge of best practices regarding travel reimbursement using the University's Corporate Travel Card.

Enrollment for the workshop has recently been expanded to accommodate all who wish to attend. Register by contacting Training and Development (5-5428).

Kinney to sign new book

The Jeffery Amherst Bookshop is hosting a discussion and signing of a new book, "Shakespeare by Stages," by English professor Arthur F. Kinney, on Saturday, April 5 at 1 p.m.

The book introduces students to Shakespeare's plays in the context of Elizabethan and Jacobean theater. Kinney focuses on the material conditions of playing and playgoing to show how they inspired and restricted Shakespeare's art.

The bookshop is located at 55 South Pleasant St.

MSBDC presents workshop on 'Your First Business Plan'

Lyne Kendall of the Western Mass. Regional Office of the Massachusetts Small Business Development Center Network (MSBDC) will present the workshop "Your First Business Plan" on Thursday, April 3, 9:30 a.m.-12:30 p.m. at the Amherst Area Chamber of Commerce, 409 Main St., Amherst.

The workshop will focus on business management fundamentals and business plan development. Topics will include financing, marketing, and business planning.

The registration fee is \$25 and reservations are required. To register, call the Amherst Area Chamber of Commerce (253-0700) or MSBDC (737-6712).

Subjects sought for Psychology studies

Participants can earn \$10 in 40 minutes by participating in two brief Psychology projects: an emotions study and a marketing study.

Participants must be female, 18-30 years old, of South Asian descent (parents must be from India, Pakistan, Nepal, Sri Lanka, or Bangladesh) and speak English fluently.

Schedule an appointment by calling 7-6508 or by e-mail (achand@psych.umass.edu).

Seminars & Colloquia

Graduate Program in Organismic and Evolutionary Biology seminar, "Zooplankton as key players in lakes: effects on phytoplankton and *Vibrio cholerae*," Kathryn L. Cottingham, department of biological sciences, Dartmouth College; Friday, March 28, 4 p.m., 319 Morrill 2.

Environmental Engineering seminar with speaker Cully Hession, University of Vermont; Friday, March 28, 12:20 p.m., 220 Marston Hall.

Geosciences lecture, "Faulting and Earthquakes: New Technology Provides New Data and Insights About Brittle Deformation of Earth's Crust," Dave Polard, Stanford University; Friday, March 28, 3:30 p.m., 136 Morrill.

Entomology seminar, "Towards the classical biological control of an introduced marine pest: the European green crab in North America," Armand Kuris, UC Santa Barbara; Monday, March 31, 3:30 p.m., Alexander Conference Room, 2nd floor, Fernald Hall. Refreshments at 3:15 p.m.

Nutrition seminar, "Pathways: Obesity Prevention in American Indian School Children," Jean Anliker, UMass; Monday, March 31, 4 p.m., 113 Chenoweth.

Child and Family Studies Fortnightly Breakfast Lecture Series, "Children's experiences in museums: education,

fun or torture," Linda Honan, School of Education; formerly with the Higgins Armory Museum, Worcester; Tuesday, April 1, 8:30 a.m., 225 Furcolo Hall.

Molecular and Cellular Biology Program seminar, "Cellular Cholesterol Esterification and Trafficking Related to Atherosclerosis and Brain Diseases," Ta Yuan Chang, Dartmouth Medical School; Tuesday, April 1, 4 p.m., 101 Lederle Graduate Tower. Refreshments at 3:45 p.m.

Science, Technology, Engineering and Mathematics Education Institute colloquium, "Supporting Collaborative Student Writing: Veni, Vidi, Wikiwiki!"; Tuesday, April 1, 4 p.m., 138 Hasbrouck Lab. Refreshments at 3:45 p.m. For information call 5-0453 or <http://www.umassk12.net>

Neuroscience and Behavior Program seminar, "Transient Hormonal Changes and Aggressive Encounters Alter Future Aggressive Behavior," Catherine A. Marler, department of psychology, University of Wisconsin; Wednesday, April 2, 4 p.m., 319 Morrill Science Center South.

Renaissance Wednesdays presents "Dishonoring God and the Country: Puritans, Sex, and Historians," with Else Hambleton; Wednesday, April 2, 4 p.m., Reading Room, Renaissance Center.

Chemical Engineering seminar presented by professor Yannis G. Kevrekidis, Princeton University; Thursday, April 3, 11:15 a.m., 51 Goessmann. Refreshments at 11 a.m.

Chemistry Department seminar, "A Unified View of Protein Folding," Daniel P. Raleigh, department of chemistry, SUNY Stony Brook; Thursday, April 3, 11:15 a.m., 1634 Lederle Graduate Research Tower. Refreshments at 10:45 a.m.

Plant Biology Graduate Program seminar, "Use of remote sensing and GIS for detection of crop stress in cranberry," Peter Oudemans, department of plant pathology, Rutgers University; Thursday, April 3, 4 p.m., 319 Morrill South.

Renaissance Center seminar, "Imagining the Life of Lettice Morison Cary, Second Viscountess Falkland," with Louise Simons; Thursday, April 3, 4 p.m., Reading Room, Renaissance Center.

Environmental Engineering seminar, "Environmental Emergency Response and Counter-Terrorism," Elise Jakabhazy, EPA; Friday, April 4, 12:20 p.m., 220 Marston Hall.

Polymer Science and Engineering seminar, "Polymer Slammability," Richard Lyon, Federal Aviation Administration; Friday, April 4, 3:35 p.m., A110-111 Conte.

Graduate Program in Organismic and Evolutionary Biology seminar, "Modeling and estimating species richness on geographical scales," Robert K. Colwell, department of ecology and evolutionary biology, UConn; Friday, April 4, 4 p.m., 319 Morrill 2.

Doctoral exams

Graduate faculty are invited to attend the final oral examination for the doctoral candidates scheduled as follows.

Renjian Zhao, Ph.D., Electrical and Computer Engineering. Friday, March 28, 10 a.m., 201 Marcus Conference Room. Dissertation: "Iterative Posterior Probability Estimation, Optimal Filtering, and Object Detection." Patrick A. Kelly and Dennis L. Goeckel, co-chrs.

David Scott, Ph.D., Chemistry. Monday, March 31, 9 a.m., 703 Lederle Graduate Research Tower. Dissertation: "Investigations into the Hydride Generation Chemistry of Arsenic and Antimony Compounds." Julian F. Tyson, chr.

Karyn Skultety, Ph.D., Psychology. Monday, March 31, 2 p.m., Psychological Service Center Conference Room. Dissertation: "An Investigation of Mental Health Service Utilization by Older Adults." Susan Whitbourne, chr.

Michael Riendeau, Ed.D., Education. Tuesday, April 1, 1 p.m., 21C Furcolo. Dissertation: "Boy, Walk with a Purpose: A Postmodern Study of the Conversation between the Discourses of Secondary English Education." Jerri Willett, chr.

Thomas Batt, Ph.D., English. Friday, April 4, 1 p.m., 316 Bartlett. Dissertation: "The Element of Play in the Teaching of Writing." Anne Herrington, chr.

Corrine Jurgens, Ph.D., Nursing. Friday, April 4, 1 p.m., UMass Medical Center, Worcester, Amphitheater II, Level 4. Dissertation: "Somatic Awareness, Uncertainty, and Delay in Care-Seeking in Acute Heart Failure." Donna Zucker, chr.

'Rosencrantz and Guildenstern Are Dead' opens at Rand

"Rosencrantz and Guildenstern Are Dead," Tom Stoppard's takeoff on "Hamlet," will be staged by the Department of Theater on April 3-5 and 9-12 at the Rand Theater.

"It's all about fate and life and death — who we are as humans," says director Lára Allee. "In 'Hamlet,' everyone else has some impact, but these two guys wander in and get killed. Are we all just bit players in someone else's life? Or are we Hamlet?"

The play also deals with fate — the two

title characters are victims of Shakespeare's plot and even in their own world, they must abide by the fate he has written for them. He is a god who has pre-ordained their death, raising the question of whether we have free will or whether everything is pre-destined.

The characters' sense that they can't escape their destinies fueled ideas for how the play will look. The set was inspired by the drawings of M.C. Escher, such as his trompe l'oeil design of staircase that goes

nowhere, ending back where it starts.

"It's a world that is very precise, distinct and sharp, and at the same time, it's physically impossible and it makes no sense," says Allee, who is the first undergraduate in recent memory to mount a show on the Rand stage. In fact, with the exception of the play's graduate student dramaturg, the creative team of the production is made up entirely of undergraduates.

"It's so rare an undergraduate gets to direct in the Rand — there's pressure to

prove myself," admits Allee. "It's a huge challenge, but it's the best way to learn."

All shows begin at 8 p.m. Tickets are \$10 general public and \$5 for students and senior citizens and are available through the Fine Arts Center Box Office (5-2511).



The Avanti Wind Quintet

Collaborative recital features students, Avanti Wind Quintet, Haimovitz

Avanti Plus, a collaboration between the Avanti Wind Quintet, cellist Matt Haimovitz and some of the most advanced students in the Department of Music and Dance, will perform on Thursday, April 3 at 8 p.m. in Bezanson Recital Hall.

The concert will feature the faculty members in the quintet playing side by side with their students: Christopher Krueger and Maria Sieria, flute; Fredric Cohen and Bethany Murphy, oboe; Michael Sussman and Jennifer Pulling, clarinet; Stephen Walt and Karl Rzasa, bassoon; and Laura Klock, Malena Ballon and Emily Decker, horn.

Two of the works on the repertoire — Emile Bernard's "Divertissement, opus 36" and Hsueh-Yung Shen's "Pastorale for Ten

Winds" — are scored for one pair each of flutes, oboes, clarinets, horns and bassoons.

"The 'Pastorale' is a recent addition to the wind chamber music repertoire," says Klock. "Scored for a double woodwind quintet, it is a single-movement work written for Fredric Cohen and the Greenwood Music Camp in the Berkshires."

Also on the program is Dvorak's "Serenade, opus 44."

Tickets are available at the Fine Arts Center Box Office (5-2511) and are \$10 general public, \$5 for students, children under 18 and senior citizens, and \$3 for UMass students.

Coblyn's work on exhibit at Augusta Savage

An exhibit of works by assistant professor of Art Michael Coblyn is on view through April 18 at the Augusta Savage Gallery at New Africa House.

"Michael Coblyn: The Way I See It," features what the artist calls "Social Expressionism."

Coblyn says he often looks to the past for visual resources. "This exploration has exposed me to the richness, craftsmanship and spirituality of the cultures of Africa

and Ancient Mexico. The complexities of the present and the possibilities of the future also are a constant basis of imagery, concept and metaphor. The social history and current events of our world are such a powerful and compelling source of aesthetic guidance for me and I have attempted to use their influence."

Gallery hours are Monday and Tuesday, 1-7 p.m. and Wednesday through Friday, 1-5 p.m.

Flute featured in concert

Flutist Christopher Krueger, will be joined by three of his colleagues in a concert of 19th and 20th century flute music on Tuesday, April 8 at 8 p.m. in Bezanson Recital Hall. Nadine Shank, piano and Eduardo Leandro, percussion, and Estela Olevsky, piano, will perform four works with Krueger: "Sonata in F minor, Opus #4," "Adieu a Berlin" by Felix Mendelssohn; Sonata, Opus #167, "Undine" by Carl Reinecke; Peter Child's "Duo"; and Andre Jolivet's "Chant de Linos."

Tickets are \$10 general public and \$5 for students, children under 18 and senior citizens, \$3 for students. Call the Fine Arts Center Box Office (5-2511).



Christopher Krueger

Beller brings latest dance to MHC

Choreographer Alexandra Beller's latest work, "We Sink as We Run," will be presented Thursday, April 3 and Friday, April 4 at 8 p.m. in the Kendall Studio Theater, Mount Holyoke College. The performance is part of Residential Arts' OFF Center Series.

Choreographed and conceived by Beller and Mira Kingsley, "We Sink as We Run" combines four separate, unique theatrical dance pieces. The first is the comedic story of two women exploring their destinies through texts and characters adapted from Anton Chekov's plays "The Three Sisters" and "The Seagull." In the second piece, Kingsley and Beller ponder the outcome of a fantasy encounter between Agatha Christie and Amelia Earhart. A voyage through the after-lives of Sylvia Plath and Virginia Woolf is offered in the third act. Personal narratives from the lives of Beller and Kingsley weave together towards the culmination of the performance with movements justifying Dance Magazine's Joseph Carman's claim that "Alexandra Beller is built like a burlesque queen and moves like a goddess."

After earning a BFA from University of Michigan in 1994, she became a member of the internationally-renowned Bill T. Jones/Arnie Zane Dance Company. In six years with the company, she performed in more than 50 countries and throughout the U.S.

Aside from staging and adapting work by Jones, she has been a featured dancer

in "Max Roach's America" and served as the rehearsal director for "Fenestrations 2," a site-specific work at Grand Central Station for 72 dancers. In addition, several films highlight her career, including the Oxygen Network's "Pure Oxygen," and in May 2002 the Whitney Museum of Modern Art displayed the much heralded 27 nude photos of Beller taken by celebrated photographer Irving Penn.

Beller's achievements, along with her passion for movement and her artistic integrity create a compelling and unconventional attitude that, according to Sue Miller of Newsweek, makes her a "welcome role model for being just the size you are — and running with it."

The performance is sponsored by the Center for Eating Disorders and Body Acceptance (CEDABA), a program of Nonotuck Resource Associates, Inc, and will be presented along with an entire series of related events called the Fully Alive Celebration during April. Detailed event information is available online (www.cedaba.org).



Alexandra Beller

Sundiata performs 'blessing the boats'

Performance artist and poet Sekou Sundiata will perform his new play, "blessing the boats," on Wednesday, April 2 and Thursday, April 3 at 8 p.m. in Bowker Auditorium.

An intimate journey through three years of the poet's life, "blessing the boats" bears witness to his highest and lowest moments — a time when the scope of his achievements was matched only by a constant barrage of medical traumas, culminating with a kidney transplant. In Sundiata's words, the play is a personal look at the world from a forced withdrawal, "an exile from the self I had come to know." A multi-dimensional work combining poetry, prose

and monologue, "blessing the boats" moves through "geographies of the body and states of consciousness, through changing perceptions of longstanding relationships as well as personal identity," according to the playwright.

Sundiata is currently a Sundance Film Institute Fellow and was a Charles H. Revson Fellow at Columbia University and the first writer-in-residence at the New School for Social Research.

Tickets are \$15 general public, \$8 for low-income patrons and \$5 for students with ID and are available through the Fine Arts Center Box Office (5-2511).

Kirov Orchestra coming to FAC

After learning that the Rotterdam Philharmonic cancelled its upcoming North American tour that included a show at the Fine Arts Center Concert Hall, Sunday March 30 at 7:30 p.m., FAC staff have scheduled the famed Kirov Orchestra of

Russia for the same date and time.

Patrons are encouraged to call the FAC Box Office (5-2511) for further information.

Tickets are \$40, \$30 and \$15 general public, \$10 for children under 18; and \$15, \$10 and \$7 for Five College students.

Paintings highlight couple's differing styles

The contrasting painting styles of two local artists are featured in "Tess Rock and Bill Rock: New Work," on view through April 27 at Central Gallery in Wheeler House.

The two Amherst painters share a marriage, a family and a studio, but their works are markedly different. Painting in bold vibrating colors, Tess Rock's imagery ap-

pears to be the result of nature under a zoom lens. By contrast, Bill Rock's palette is a subdued one where earth tones dominate and his imagery often suggests wide expanses of landscape.

An opening reception will be held Sunday, March 30, 3-5 p.m.

Gallery hours are Monday through Thursday, 3-6 p.m. and Sunday, 2-5 p.m.